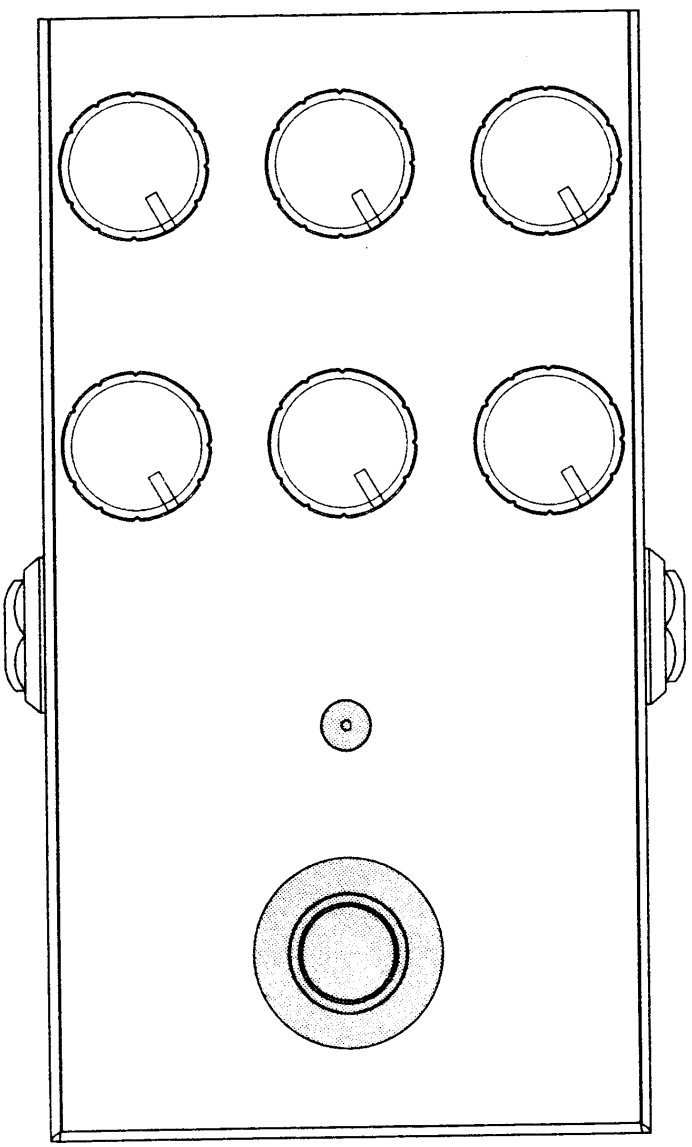
USER MANUAL



ELEMENTAL

M-VAVE

Preface EN

Thank you for buying our product, ELEMENTAL is a powerful digital modeling delay effector, which can make you travel in various elements, to achieve a significant psychedelic effect, to bring you a unique delay experience. We try our best to provide you with this high quality effector, I hope you can like it !

Attentions EN

■ **The power supply:**

Please use 9V(+-10%) adapter (negative inside and positive outside), otherwise it may cause equipment damage. Please unplug the power when not in use or during thunderstorm weather.

■ **The connection:**

Be sure to turn off the power of related equipment before connecting or disconnecting the device.

■ **The electrical interference:**

The electromagnetic wave of radio, television and other equipment may cause interference to the equipment, so please try to stay away from radio , television and other equipment.

■ **The location:**

To avoid deformation, discoloration, or other serious damage, do not expose this unit to the following conditions:

a. Heat sources
b. Magnetic fields
c. Sunlight
d. High temperature or moist district
e. Excessively dusty or dirty locations
f. Strong vibrations or shocks

Features EN

■ Artistic appearance design.
■ There are nine delay effects, which are suitable for most music styles.
■ ELEMENTAL gives you a psychedelic, deep timbre, and it has a good dynamic response.
■ Delay time of up to 3,000 ms.
■ Two power supply methods are available.
■ High-performance digital signal processor, meticulous delay effect.
■ TAP mode for using the footswitch to get speed.
■ HOLD mode for freezing the delay wet sound, get the unlimited voice delay function.

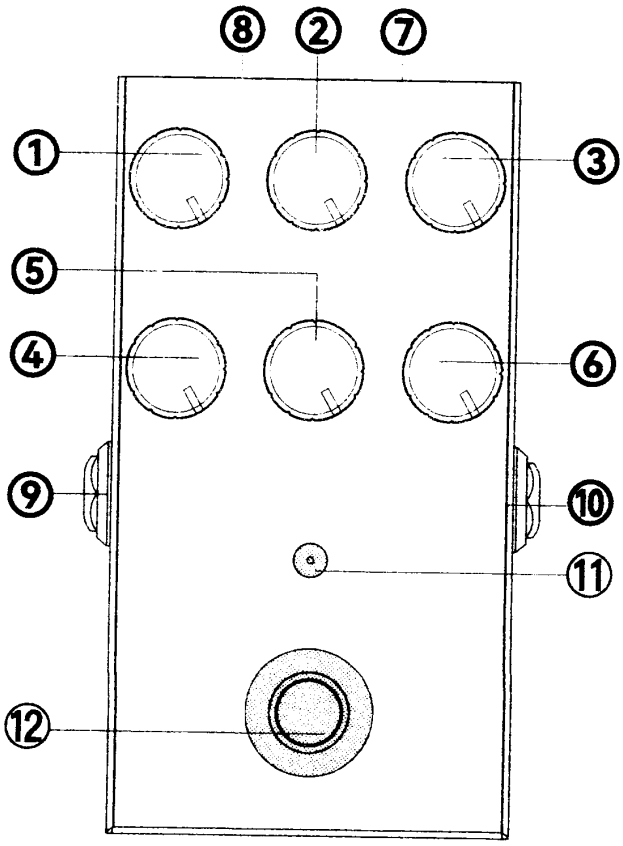
Knob and interface introduction EN

①. **TIME knob:** Adjust the time of the delay effect, under different delay effects, the adjustable range of parameters is not exactly the same, please see the timbre introduction.(When in HOLD mode, this knob temporarily loses function) .
②. **TYPE knob:** Select the delay effect to use, a total of 9 delay effects, please see the timbre introduction.
③. **FEEDBACK knob:** Feedback times of the delay.(When in HOLD mode, this knob temporarily loses function) .
④. **MIX knob:** Adjust the mixing ratio of dry and wet signals.
⑤. **PARAM knob:** In different delay effects, the function of the knob is not exactly the same, please see the timbre introduction. (When in HOLD mode, this knob temporarily loses function) .
⑥. **MOD knob:** There is a little amount of modulation timbre in the delay wet sound, this knob is used to adjust the effect of modulation, the function of the knob is not exactly the same, please see the timbre introduction.(When in HOLD mode, this knob temporarily loses function) .
⑦. **Power interface:** Use 9V DC transformer (positive outside and negative inside).
⑧. **USB-C interface:** Support 5V power supply, it is recommended to use 5V 1A adapter.

⑨. **Output interface:** 1 / 4 " mono audio output interface.

⑩. **Input interface:** 1 / 4 " mono audio input interface.

⑪. **LED:** Indicates the status of the effector. The light is on and means that the effect is on. The LED is out, indicating the BYPASS state. The light flashes, indicating that the TAP mode is on. The light is on (Dark blue, lower brightness than normal mode), indicating that the HOLD mode is on.



⑫. **Footswitch:** Trigger the footswitch once to enable/bypass the effector. If device in BYPASS state, you can trigger the footswitch twice or more to enable the TAP mode. If device in the non-BYPASS state, you can trigger the footswitch three times or more to enable the TAP mode. The time interval of each trigger needs to be controlled within 1.5 seconds. With the above actions you can get the delay-time you want.Hold the footswitch for 1 second to enter HOLD mode. Hold for another 1 second to exit the HOLD mode.

Mode introduction EN

■ **NOMAL mode**——Trigger the footswitch once to enable the effector, we call this NOMAL usage mode, now the LED is steady blue.

■ **BYPASS mode**——Trigger the footswitch once to bypass the effector, we call this BYPASS mode, now the LED is off.

■ **TAP mode**——If device in BYPASS state, you can trigger the footswitch twice or more to enable the TAP mode. If device in the non-BYPASS state, you can trigger the footswitch three times or

more to enable the TAP mode. With the above actions you can get the delay-time you want.
The time interval of each trigger needs to be controlled within 1.5 seconds, more than 1.5 seconds will be judged as a single trigger, that is turn the effect off or on.
After entering TAP mode, the LED blinking speed is consistent with your triggered speed, then you can adjust the TIME knob to fine-tune the speed.
Tips: If you trigger the footswitch for the speed when in the PATTERN, ICE, REVERSE gear, the TIME parameter is limited to 100-1000ms, so the final acquired speed is not audibly slower than 1 second per time. Therefore, in these 3 gears, it is recommended that the speed of your tapping foot is not slower than 1 second. If tapping speed in the range of 1 to 1.5s, the default output speed of this machine is 1s.
■ **HOLD mode**——When it's in NORMAL or TAP mode, then hold the footswitch for 1s to enter the HOLD mode, the machine will read the delay wet sound at this moment, and this sound will be maintained, the LED will be dark blue.
If you trigger the footswitch once in the HOLD mode, you can switch to BYPASS mode. If you hold the footswitch for 1s to return to the NORMAL mode or TAP mode (what mode to go back to depends on what mode to enter from before).

Timbre introduction EN

GEAR 1: ANALOG, the analog delay is the delay effect of the signal of the analog tube, and the timbre has the characteristics of retro and warm.
MOD knob: PITCH, We add a little detuning effect to the delay wet sound, this knob adjusting the PITCH parameter of the detuning effect, which is a slightly shifted sound, a retro and charming sound.

PARAM knob: PHASER, A little phase effect is added to the delay wet sound, this knob is used to adjust the amount of phase.
TIME knob: 100-2000ms

GEAR 2: DUAL, two independent delay echoes, the time-lag of the first echo and the second echo achieves a very interesting delay rhythm effect.
MOD knob: CHORUS SPEED, A little chorus effect is added to the Delay wet sound, this parameter adjusts the speed of the chorus.
PARAM knob: TIME-MODE, Adjust the time-lag between the two echoes, the minimum is the equivalent of no time-lag, and the greater the value, the greater the time-lag.
TIME knob: 100-2000ms

GEAR 3: DUCK, When we process the delay wet sound, we add the Noise Gate to the part before the wet sound. Thus, the front part of the wet sound is suppressed to achieve a front evasive effect, and the sound is gradually increased, the dynamics of the delay are more 'felt' than 'heard'.
MOD knob: CHORUS SPEED, A little chorus effect is added to the Delay wet sound, this parameter adjusts the speed of the chorus.
PARAM knob: UNPACK, After this parameter is turned up, the sudden rise in the volume of the wet rear part can be unpacked, so as to achieve a smoother delay dynamic.
TIME knob: 100-3000ms

GEAR 4: TREM, A tremolo effect was added to the delay wet sound.
MOD knob: CHORUS SPEED, A little chorus effect is added to the Delay wet sound, this parameter adjusts the speed of the chorus.

PARAM knob: TIME-SPEED, this parameter adjusts the speed of the tremolo.
TIME knob: 100-3000ms

GEAR 5: REVERSE, Reverse Delay organically interact where space and ambience build as the signal is reversed, re-reversed, reverberated, and reversed again within the feedback network.
MOD knob: PITCH, We add a little detuning effect to the delay wet sound, this knob adjusting the PITCH parameter of the detuning effect, which is a slightly shifted sound, a retro and charming sound.
PARAM knob: PHASER, A little phase effect is added to the delay wet sound, this knob is used to adjust the amount of phase.
TIME knob: 100-1000ms

GEAR 6: dTAPE, Tape delay, it replicates the unique delay style of tape machine, you can not only get the warmth and silky of professional grade tape machine, but also simulate the sound effects of tape in real situations such as CRINKLE, BIAS, and so on.
MOD knob: CHORUS SPEED, the CHORUS SPEED takes on the function of TAPE CRINKLE. This parameter adjusts the amount and severity of tape irregularities, including friction,creases,splices and contaminants. Tape Crinkle characteristics track accordingly to tape speed. Set to minimum for a fresh,clean tape. Set to maximum for a tape that has been mangled and chewed for years.
PARAM knob: GRIT, the GRIT takes on the function of TAPE BIAS. This parameter adjusts tape machine bias, from under biased to over-biased, it sounds like an overdrive of wet sounds. Bias sets the dynamic range and headroom of the wet signal.
TIME knob: 100-2500ms

GEAR 7: ICE, ice delay, a delay effect of cutting off the audio and then playback of the selected audio, you can change the pitch of the selected audio.
MOD knob: CHORUS SPEED, A little chorus effect is added to the Delay wet sound, this parameter adjusts the speed of the chorus.
PARAM knob: PITCH, Change the pitch of the selected audio.
TIME knob: 100-1000ms

GEAR 8: LOFI, a special, retro and destructive delay effect, the wet sound reflects the filter, the vinyl record, the noise lo-fi and many other senses.
MOD knob: CHORUS SPEED, A little chorus effect is added to the Delay wet sound, this parameter adjusts the speed of the chorus.
PARAM knob: GRIT, When the parameter is turned up, it sounds like a overdrive wet sound.
TIME knob: 100-3000ms

GEAR 9: PATTERN, an imaginative delay effect with a more complex delay rhythm.
MOD knob: CHORUS SPEED, A little chorus effect is added to the Delay wet sound, this parameter adjusts the speed of the chorus.
PARAM knob: PATTERN, adjust different delay rhythm and length.
TIME knob: 100-1000ms

Technical parameter EN

Input	Standard 1/4"jack-MONO/TS
Output	Standard 1/4"jack-MONO/TS
Power supply 1	DC 9V≥300mA ⊖-⊙-⊕
Power supply 2	USB 5V≥300mA
Size	112(L)X68(W)X40(H)mm
Weight	About 242g

We will continue to improve our products and reserve the right to modify certain functions and specifications (including but not limited to appearance, packaging design, operation manual, accessories,dimensions, specifications, displays, etc.) without prior notice.Please confirm the product functions and specifications with the local distributor before the purchase. Product pictures and color due to the light error and screen admiration setting.It may be different from the physical product effect. Please refer to the physical object accordingly.

FCC Warning Statement EN

★Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio

communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement
The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1)This device may not cause harmful interference.
(2)This device must accept any interference received, including interference that may cause undesired operation.